

INSTITUTE OF COST AND MANAGEMENT ACCOUNTANTS OF PAKISTAN



New Fall (E) 2011, April 2012 Examinations

Thursday, the 19th April 2012

INFORMATION SYSTEMS & I.T. AUDIT – (S-602) STAGE-6

Time Allowed – 2 Hours 45 Minutes

Maximum Marks – 56

Roll No.:

- (i) Attempt ALL questions.
- (ii) Answers must be neat, relevant and brief.
- (iii) In marking the question paper, the examiners take into account clarity of exposition, logic of arguments, presentation and language.
- (iv) Read the instructions printed inside the top cover of answer script CAREFULLY before attempting the paper.
- (v) DO NOT write your Name, Reg. No. or Roll No. anywhere inside the answer script.
- (vi) There will also be a computer based practical examination of 10 marks and presentation of a project of 20 marks, which form the part of this paper.
- (vii) Question No.1 – “Multiple Choice Question” printed separately, is an integral part of this question paper.
- (viii) **Question Paper must be returned to the invigilator before leaving the examination hall.**

MARKS

SECTION – “A”

- Q. 2 (a)** Information technology and information systems are powerful and valuable tools for individuals, and organizations. Identify and briefly discuss the obstacles and real world limitations that have slowed the pace of implementation for IT-based innovation. **06**
- (b)** The Principle-Based Systems Analysis (PBSA) method is an approach to improve a work system. PBSA converts the four steps of systems analysis into three steps that can be pursued in a situation. Briefly discuss these three steps. **06**
- Q. 3 (a)** There are four system approaches of system life cycles, each involving different processes and helps in deciding what method is appropriate for a particular situation. Discuss four system life cycles approaches. **04**
- (b)** The four main factors related to information usefulness are information quality, accessibility, presentation and security. Briefly discuss them. **08**
- (c)** Briefly discuss the four aspects of the convergence of computing and communications. **04**

SECTION – “B”

- Q. 4 (a)** An IS department can be structured in different ways and IS auditor should determine whether the job description and structure are adequate. Briefly discuss the IS roles and responsibilities reviewed by an IS auditor related to the following: **06**
- i) Media Management
 - ii) System Administration
 - iii) Security Administration
 - iv) Quality Assurance
 - v) Database Administration
 - vi) Network Administrators

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MARKS

- (b) Discuss the policies and procedures that reflect management guidance and direction in developing controls over information system. Explain the key points contained by the information security policy document. **08**
- Q. 5 (a)** The IS auditor should be familiar with the different types of sampling techniques and its usage. Briefly touch upon two general approaches to audit sampling. Identify the statistical sampling terms need to be understood while performing variable sampling. **08**
- (b) Discuss the various roles and responsibilities of groups/individuals that may be involved in the development process of a project management structure. **06**

THE END